

#2

OIEP

## RAW SEQUENCE LISTING

DATE: 12/12/2001

PATENT APPLICATION: US/10/001,407

TIME: 14:35:20

Input Set : A:\GP117.SEQLIST.TXT

Output Set: N:\CRF3\12112001\I001407.raw

ENTERED

4 <110> APPLICANT: Yang, Yeasing  
5 Burrell, Terrie  
7 <120> TITLE OF INVENTION: Compositions and Methods for Detecting  
8 Human Immunodeficiency Virus 2 (HIV-2)  
11 <130> FILE REFERENCE: GP117-03.UT  
C--> 13 <140> CURRENT APPLICATION NUMBER: US/10/001,407  
C--> 13 <141> CURRENT FILING DATE: 2001-10-22  
13 <150> PRIOR APPLICATION NUMBER: 60/242,620  
14 <151> PRIOR FILING DATE: 2000-10-23  
16 <150> PRIOR APPLICATION NUMBER: 60/280,058  
17 <151> PRIOR FILING DATE: 2001-03-30  
19 <160> NUMBER OF SEQ ID NOS: 34  
21 <170> SOFTWARE: FastSEQ for Windows Version 3.0  
23 <210> SEQ ID NO: 1  
24 <211> LENGTH: 40  
25 <212> TYPE: DNA  
26 <213> ORGANISM: HIV-2  
28 <400> SEQUENCE: 1  
29 gtgtgtgttc ccattctctcc tagtcgccgc ctggtcattc 40  
31 <210> SEQ ID NO: 2  
32 <211> LENGTH: 19  
33 <212> TYPE: DNA  
34 <213> ORGANISM: HIV-2  
36 <400> SEQUENCE: 2  
37 gtgtgtgttc ccattctctc 19  
39 <210> SEQ ID NO: 3  
40 <211> LENGTH: 20  
41 <212> TYPE: DNA  
42 <213> ORGANISM: HIV-2  
44 <400> SEQUENCE: 3  
45 tgtgttccca tctctcctag 20  
47 <210> SEQ ID NO: 4  
48 <211> LENGTH: 21  
49 <212> TYPE: DNA  
50 <213> ORGANISM: HIV-2  
52 <400> SEQUENCE: 4  
53 gttcccatct ctcttagtcg c 21  
55 <210> SEQ ID NO: 5  
56 <211> LENGTH: 20  
57 <212> TYPE: DNA  
58 <213> ORGANISM: HIV-2  
60 <400> SEQUENCE: 5  
61 tcctagtcgc cgcctgggtca 20  
63 <210> SEQ ID NO: 6  
64 <211> LENGTH: 19  
65 <212> TYPE: DNA  
66 <213> ORGANISM: HIV-2

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68 <400> SEQUENCE: 6
69 cctagtcgcc gcctggtca 19
71 <210> SEQ ID NO: 7
72 <211> LENGTH: 20
73 <212> TYPE: DNA
74 <213> ORGANISM: HIV-2
76 <400> SEQUENCE: 7
77 tagtcgccgc ctggtcattc 20
79 <210> SEQ ID NO: 8
80 <211> LENGTH: 34
81 <212> TYPE: DNA
82 <213> ORGANISM: HIV-2
84 <400> SEQUENCE: 8
85 aaaatcccta gcagggtggc gcccgaacag ggac 34
87 <210> SEQ ID NO: 9
88 <211> LENGTH: 34
89 <212> TYPE: DNA
90 <213> ORGANISM: HIV-2
92 <400> SEQUENCE: 9
93 gtccctgttc gggcgccaac ctgctaggga tttt 34
95 <210> SEQ ID NO: 10
96 <211> LENGTH: 25
97 <212> TYPE: DNA
98 <213> ORGANISM: HIV-2
100 <400> SEQUENCE: 10
101 cgggcgccaa cctgctaggg atttt 25
103 <210> SEQ ID NO: 11
104 <211> LENGTH: 18
105 <212> TYPE: DNA
106 <213> ORGANISM: HIV-2
108 <400> SEQUENCE: 11
109 gtccctgttc gggcgcca 18
111 <210> SEQ ID NO: 12
112 <211> LENGTH: 23
113 <212> TYPE: DNA
114 <213> ORGANISM: Artificial Sequence
116 <220> FEATURE:
117 <223> OTHER INFORMATION: Primer mismatches HIV-2 sequence by deletion of
118 two nucleotides and mutation at a third position
120 <400> SEQUENCE: 12
121 cgggcgccac tgctagagat ttt 23
123 <210> SEQ ID NO: 13
124 <211> LENGTH: 24
125 <212> TYPE: DNA
126 <213> ORGANISM: Artificial Sequence
128 <220> FEATURE:
129 <223> OTHER INFORMATION: Primer mismatches HIV-2 sequence by deletion of
130 one nucleotide
132 <400> SEQUENCE: 13

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133  cgggcgccac ctgctaggga tttt                                24
135  <210> SEQ ID NO: 14
136  <211> LENGTH: 25
137  <212> TYPE: DNA
138  <213> ORGANISM: HIV-2
140  <400> SEQUENCE: 14
141  ccctgttcgg ggcgccaacct gctag                                25
143  <210> SEQ ID NO: 15
144  <211> LENGTH: 52
145  <212> TYPE: DNA
146  <213> ORGANISM: Artificial Sequence
148  <220> FEATURE:
149  <223> OTHER INFORMATION: T7 promoter primer having a promoter sequence
150      appended at the 5' end of an HIV-2 complementary
151      primer sequence
153  <400> SEQUENCE: 15
154  aatttaatac gactcactat agggagacgg ggcgccaacct gctagggatt tt        52
156  <210> SEQ ID NO: 16
157  <211> LENGTH: 45
158  <212> TYPE: DNA
159  <213> ORGANISM: Artificial Sequence
161  <220> FEATURE:
162  <223> OTHER INFORMATION: T7 promoter primer having a promoter sequence
163      appended at the 5' end of an HIV-2 complementary
164      primer sequence
166  <400> SEQUENCE: 16
167  aatttaatac gactcactat agggagagtc cctgttcggg cgcca                45
169  <210> SEQ ID NO: 17
170  <211> LENGTH: 50
171  <212> TYPE: DNA
172  <213> ORGANISM: Artificial Sequence
174  <220> FEATURE:
175  <223> OTHER INFORMATION: T7 promoter primer having a promoter sequence
176      appended at the 5' end of the sequence given as
177      SEQ ID NO:12
179  <400> SEQUENCE: 17
180  aatttaatac gactcactat agggagacgg ggcgcactgc tagagatttt          50
182  <210> SEQ ID NO: 18
183  <211> LENGTH: 57
184  <212> TYPE: DNA
185  <213> ORGANISM: Artificial Sequence
187  <220> FEATURE:
188  <223> OTHER INFORMATION: T7 promoter primer having a promoter sequence
189      appended at the 5' end of the sequence given as
190      SEQ ID NO:13
192  <400> SEQUENCE: 18
193  gaaattaata cgactcacta tagggagacc acacgggcgc cacctgctag ggatttt      57
195  <210> SEQ ID NO: 19
196  <211> LENGTH: 58

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197 <212> TYPE: DNA
198 <213> ORGANISM: Artificial Sequence
200 <220> FEATURE:
201 <223> OTHER INFORMATION: T7 promoter primer having a promoter sequence
202     appended at the 5' end of an HIV-2 complementary
203     primer sequence
205 <400> SEQUENCE: 19
206   gaaattaata cgactcacta tagggagacc acaccctgtt cgggcgccaa cctgctag      58
208 <210> SEQ ID NO: 20
209 <211> LENGTH: 22
210 <212> TYPE: DNA
211 <213> ORGANISM: HIV-2
213 <400> SEQUENCE: 20
214   cctggtctgt taggaccctt ct      22
216 <210> SEQ ID NO: 21
217 <211> LENGTH: 14
218 <212> TYPE: DNA
219 <213> ORGANISM: HIV-2
221 <400> SEQUENCE: 21
222   gtctgttagg accc      14
224 <210> SEQ ID NO: 22
225 <211> LENGTH: 18
226 <212> TYPE: DNA
227 <213> ORGANISM: HIV-2
229 <400> SEQUENCE: 22
230   cctggtctgt taggacc      18
232 <210> SEQ ID NO: 23
233 <211> LENGTH: 18
234 <212> TYPE: DNA
235 <213> ORGANISM: HIV-2
237 <400> SEQUENCE: 23
238   ctggtctgtt aggaccct      18
240 <210> SEQ ID NO: 24
241 <211> LENGTH: 18
242 <212> TYPE: DNA
243 <213> ORGANISM: HIV-2
245 <400> SEQUENCE: 24
246   tggctctgta ggaccctt      18
248 <210> SEQ ID NO: 25
249 <211> LENGTH: 18
250 <212> TYPE: DNA
251 <213> ORGANISM: HIV-2
253 <400> SEQUENCE: 25
254   ggtctgtag gacccttc      18
256 <210> SEQ ID NO: 26
257 <211> LENGTH: 16
258 <212> TYPE: DNA
259 <213> ORGANISM: HIV-2
261 <400> SEQUENCE: 26

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Input Set : A:\GP117.SEQLIST.TXT

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262	gtctgttagg accctt	16
264	<210> SEQ ID NO: 27	
265	<211> LENGTH: 18	
266	<212> TYPE: DNA	
267	<213> ORGANISM: HIV-2	
269	<400> SEQUENCE: 27	
270	gtctgttagg acccttct	18
272	<210> SEQ ID NO: 28	
273	<211> LENGTH: 27	
274	<212> TYPE: DNA	
275	<213> ORGANISM: HIV-2	
277	<400> SEQUENCE: 28	
278	aatttaatac gactcactat agggaga	27
280	<210> SEQ ID NO: 29	
281	<211> LENGTH: 33	
282	<212> TYPE: DNA	
283	<213> ORGANISM: HIV-2	
285	<400> SEQUENCE: 29	
286	gaaattaata cgactcacta tagggagacc aca	33
288	<210> SEQ ID NO: 30	
289	<211> LENGTH: 30	
290	<212> TYPE: RNA	
291	<213> ORGANISM: HIV-2	
293	<400> SEQUENCE: 30	
294	gaaggguccu aacagaccag ggucuuguua	30
296	<210> SEQ ID NO: 31	
297	<211> LENGTH: 53	
298	<212> TYPE: DNA	
299	<213> ORGANISM: HIV-2	
301	<400> SEQUENCE: 31	
302	ttcctgccgc ccttactgcc tttaaaaaaa aaaaaaaaaa aaaaaaaaaa aaa	53
304	<210> SEQ ID NO: 32	
305	<211> LENGTH: 51	
306	<212> TYPE: DNA	
307	<213> ORGANISM: HIV-2	
309	<400> SEQUENCE: 32	
310	ttcctgccgc ccttactggt taaaaaaaaa aaaaaaaaaa aaaaaaaaaa a	51
312	<210> SEQ ID NO: 33	
313	<211> LENGTH: 16	
314	<212> TYPE: DNA	
315	<213> ORGANISM: HIV-2	
317	<400> SEQUENCE: 33	
318	aaagggtcct aacaga	16
320	<210> SEQ ID NO: 34	
321	<211> LENGTH: 9	
322	<212> TYPE: DNA	
323	<213> ORGANISM: HIV-2	
325	<400> SEQUENCE: 34	
326	cgggcgcca	9

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/001,407

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TIME: 14:35:21

Input Set : A:\GP117.SEQLIST.TXT

Output Set: N:\CRF3\12112001\I001407.raw

L:13 M:270 C: Current Application Number differs, Replaced Current Application No

L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date